

REMARKS

Applicants respectfully request reconsideration of this application in view of the foregoing amendments and the following remarks.

Claim Status

Claims 1-17 are pending in this application. Claims 1, 2, 7, 9, 10 and 17 have been rejected. Claims 3-6, 8 and 11-16 have been objected to by the Examiner. Claim 17 is herein amended. New claims 18 and 19 have been added. No new matter has been added by these amendments.

Rejections Under 35 U.S.C. § 102

Claims 1, 7, 9, 10 and 17 have been rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,489,840 (Botti).

With regard to independent claims 1 and 9 the Examiner indicated the Botti discloses essentially all the elements claimed therein. Applicants respectfully disagree.

In contrast to the present invention recited in claim 1, Botti does not disclose “a feedback control circuit, which generates and outputs a switching control signal whose logic state changes according to the logic state of an abnormal state detecting signal generated in response to a monitoring signal”. Instead, Botti discloses an amplification apparatus that includes a signal amplification block, which in turn includes, a power amplification block and a switch block. The switch block includes a flip flop, a switch and a resistance. In operation, the flip flop receives an input signal C, which is a first input square wave signal, and a second input signal En, which is an enable signal for turning on and off the amplification apparatus, to produce an output signal Ens. The

output signal Ens is then used to cause the switch to be disposed at either one of its first or second terminals.

As can be gleaned, the switch block does not include the feedback control circuit as recited in claim 1 of the present invention. For example, in the flip flop of the switch block, the two input signals C and En are used to change the logic state of the output signal Ens, whereas in the feedback control circuit, one input signal, for example the monitoring signal, is used to generate the abnormal state detecting signal, which is then used to change the logic state of the switching control signal. Unlike that disclosed by Botti, the logic state of the abnormal state detecting signal, not the logic state of the two input signals C and En, is used to change the logic state of the switching control signal. As such, Applicants believe that the invention as recited in claim 1 is patentable over Botti because Botti does not teach, disclose or suggest at least the feedback control circuit as claimed therein.

With regard to claim 9, Applicants believe that the invention recited therein is patentable over Botti because Botti does not teach, disclose or suggest at least “generating and outputting a switching control signal whose logic state changes according to the logic state of an abnormal state detection signal generated in response to a monitoring signal” as claimed therein.

With regard to claim 17, Applicants respectfully acknowledge the Examiner’s indication that the prior art of record fails to disclose or suggest the limitations recited in claim 3. Accordingly, Applicants have essentially incorporated all the features of claim 3 into claim 17 to place claim 17 in condition for allowance.

Rejections Under 35 U.S.C. § 103

Claim 2 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Botti in view of U.S. Patent No. 5,805,020 (Danz).

With regard to the rejection of claim 2, claim 2 is believed to be allowable for at least the reasons discussed above with respect to claim 1 from which it depends.

New Claims 18 and 19

New claims 18 and 19 have been added to further clarify the class-D amplifier of claim 17 and are believed to be allowable for at least the reasons discussed above.

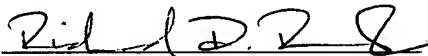
Dependent Claims

Applicants have not independently addressed the rejections of the dependent claims because Applicants submit that, in view of the amendments to the claims presented herein and, for at least similar reasons as why the independent claims from which the dependent claims depend are believed allowable as discussed, supra, the dependent claims are also allowable. Applicants however, reserve the right to address any individual rejections of the dependent claims should such be necessary or appropriate.

CONCLUSION

Accordingly, Applicants submit that the claims as herein presented are allowable over the prior art of record, taken alone or in combination, and that the respective rejections be withdrawn. Applicants further submit that the application is hereby placed in condition for allowance which action is earnestly solicited.

Respectfully submitted,

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